Index to Volume 53, 1971 American Gas Association Monthly

GAS- 12 663763 1

Authors

	Page	Issue
ARMSTRONG, DAVID HTrends in regulation of		
promotion practices	26	Nov.
BAGGE, CARL E.—Coal's new role in the 70s	10	Mar.
BOWEN, W. J.—Growing utility exploration in-	37	Dec.
volvement	40	Dec.
CALLAHAN, EDWARD D.—Gas industry's role in		
environmental affairs	20	Nov.
load	36	Dec.
nology's dilemma	8	June
or laurels COOPER, ROBERT A.—New horizons for gas indus-	17	Sept.
try marketing	23	J-A
CULLINANE, HARRY—Think modular	13	Sept.
DOLE, HOLLIS M.—Meeting our energy goals DORSEY, B. R.—Business responsibilities to	11	May
society	22	June
FETTIG, LEE E.—New towns and the gas industry's		
involvement	10	Sept.
FISH, LEONARD W.—The need for coal gasification FRASER, DOUGLAS M.—Canada's role in the North	8	Mar.
American gas play	17	J-A
GRAY, EARLE-Wildlife studies-an added com-		
mitment	4	Nov.
HART, F. DONALD—The Association year	14	Dec.
HAYES, JAMES LManagement-who needs it?	31	Dec.
HURD, LEE G.—Arctic gas supply	38	Dec.
KERR, JAMES W.—Canadian imports	39	Dec.
LANE, THOMAS H.—What's new in print and tele-		
vision	33	Dec.

	Page	Issue
LINDEN, HENRY R., DR.—Is our environment really		
doomed?	14	June
Gasification of coal and hydrocarbons	35	Dec.
McElvenny, Ralph T.—Capitalizing on today's		
challenges	18	Dec.
MORTON, ROGERS C. B.—The energy crisis: the	25	June
short- and long-term view	29	Sept.
Solving our energy challenges	16	Dec.
NUTT, DAVID T New directions in advertising	32	Dec.
0 N 1 - 10 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
OLIEN, NEIL A. and SARKES, LOUIS A LNG-2	12	Feb.
O'SHIELDS, RICHARD L.—Energy issues	19	Apr.
PAYNTER, HARRY A.—Practicing the single industry		
concept	26	Dec.
RADER, A. M.—13 years with plastic pipeline	27	Mar.
REICHARDT, PAUL E.—Fun and marketing	28	Dec.
RIECK, C. AMerchandise accounting at NI-Gas	15	Mar.
RUCKELSHAUS, WILLIAM D Energy and the envi-		
ronment	15	Nov.
SARKES, LOUIS A. and OLIEN, NEIL ALNG-2	12	Feb.
SHEA, P. R.—A new role for marketing	30	Dec.
SHEPARD, THOMAS R., JR "Free" as in "freedom"	28	June
SILVERSTRONE MARIO—CIGC—the answer	10	May
SMITH, SAM—Future gas supply	11	Oct.
ing needed	33	J-A
our environmental goal	31	Sept.
TALBOTT, E. M.—CNG as automotive fuel	13	Jan.
TANKERSLEY, G. J.—A.G.A. chairman's report	12	Dec.
WARD, A. G.—Looking at the bright side WHEELER, ROMNEY—Employees—our no. 1 audi-	7	Feb.
wherek, kominer—Employees—our no. I audi-	11	Tune

Subject and Title Index -

	Page	Issue		Page	Issue
Accident Prevention			Consumer Safety		
On the safe side	17	Feb.	Appliance safety tips listed	31 32	Apr.
Accounting					
Merchandise accounting at NI-Gas-C. A. Rieck	15	Mar.	Consumerism		
Utility accounting—a reawakening needed—			CIC—Consumer information center	11	Apr.
Leonard Spacek	33	J-A	CIC display kit offered	34	May
Utility accountants list conference highlights	31	Apr.	The consumer's voice is heard	26 25	Feb. Sept.
A.G.A.			The state of the s		ocpe
A.G.A. board realigns executive structure	8	J-A	Dispatching		
Association nominations for 1971-72	18	June	The importance of weather forecasting to the		
Gas Men's round table	12	J-A	gas industry	29	Oct.
An international affair	30	June	•		
Organizational relationship: A.G.A. committees			Distribution		
and staff, January 1971 (Chart)	20	June	Chicago and Houston revisited	15	J-A
A.G.A. Convention			Educational Services		
Arctic gas supply-L. G. Hurd	38	Dec.	Alternatives	43	Dec.
The Association year-F. Donald Hart	14	Dec.	Community resources workshops	23	June
Boston (Pre-convention report)	4	Apr.	Consumer education begins in school	15	Feb.
Canadian importation—James W. Kerr	39	Dec.	Drugs: A to Z	9	Apr.
Capitalizing on today's challenges—Ralph T. Mc-			Fuel cells	31	Mar.
Elvenny	18	Dec.	Junior Achievement, a mutual learning experience	27	Sept.
The A.G.A. chairman's report—G. J. Tankersley	12	Dec.	New approaches to school programs	25	June
53rd Annual A.G.A. Convention report	5 .	Dec.	The star program	31	May
Fun and marketing—Paul E. Reichardt	28	Dec.			
Growing utility exploration involvement—W. J.		-	Energy Supply		
Bowen	40	Dec.	Energy and the environment-William D. Ruck-		
LNG imports—base load—George D. Carame-	20	D.,	elshaus	15	Nov.
ros, Jr. LNG imports—peak load—Rene Boudet	36 37	Dec.	National Energy Forum	12	Nov.
Management—who needs it?—James L. Hayes	31	Dec. Dec.			
Meeting our obligation to the nation-Dr. Henry			Environment Wildlife studies—an added commitment—Earle		
R. Linden	34	Dec.	a Gray	4	Nov.
New directions in advertising—David T. Nutt	32	Dec.		•	
A new role for marketing—P. R. Shea	30	Dec.	Environmental Affairs		
The opportunities in today's challenges (pre- convention report)	4	Comb	Energy and the environment—William D. Ruck-		
Practicing the single—industry concept—Harry	4	Sept.	elshaus	15	Nov.
A. Paynter	26	Dec.	Cistiaus	1)	INOV.
Solving our energy challenges—Rogers C. B.	20	Dec.	Faring market Comment		
Morton	16	Dec.	Environmental Concerns Gas industry's role in environmental affairs—		
What's new in print and television-Thomas H.			Edward D. Callahan	20	Nov.
Lane	33	Dec.	Houston Center—the city of tomorrow	4	Mar.
Appliances					
Appliance safety tips listed	31	Apr.	Federal Regulation		
Appliance sales gains reported	35	May	Meeting our energy goals-Hollis M. Dole	11	May
Beating the heat	26	Apr.			
Gas heating, water heater sales improve in		•	Fuel Cell		
October	34	Jan.	The fuel cell powerplant—target for the future	4	J-A
SGA survey shows A/C gains	31	Apr.			
			Gas Appliance Manufacturers' Association (GAMA)		
Awards			Gas manufacturers to "energize the 70's"	31	J-A
Consumer, community activities bring awards	33	Dec.			
Jacobs honored for industry leadership	9	Dec.	Gas Supply		
Meritorious Service Award rewards a group effort	32	Dec.	AAPG report evaluates potential resources	50	Dec.
New Yorker wins 1971 Industrial/Commercial		-	Arctic gas supply-L. G. Hurd	38	Dec.
Award	8	Dec.	Canada's role in the North American gas play-		
1970 gas industry public relations achievement			Douglas M. Fraser	17	J-A
awards	17	May	Canadian energy needs may exceed gas reserves	48	Dec.
n . n . 1 m			Canadian importation—James W. Kerr	39	Dec.
Business Facts and Figures	In eve	ry issue	Coal gasification	5	Oct.
C-1 C-15 -1-			Coal industry hears plans for future gasification.	38	Sept.
Coal Gasification		c	Coal's new role in the 70's	10	Mar.
Coal industry hears plans for future gasification	38	Sept.	COGAS process converts coal to gas and oil	34	Nov.
Gasification project could yield 250 mcf per year	49	Dec.	El Paso active in sales, purchase of Algerian	34	Jan.
Consumer Affairs			The energy crisis: the short- and long-term view		
The consumer's voice is heard	26	Feb.	-Rogers C. B. Morton	29	Sept.

	Page	Issue
Energy issues—Richard L. O'Shields	19	Apr.
FPC names 40 to newly formed gas survey group	37	May
Future gas supply	13	Oct.
Gasification project could yield 250 mcf per year Growing utility exploration involvement—W. J.	48	Dec.
Bowen	40	Dec.
Increased coal gasification seen in future	37	Jan.
LNG-2—Neil A. Olien and Louis A. Sarkes LNG imports—base load—George D. Carameros,	12	Feb.
Jr	36	Dec.
LNG imports—peak load—Rene Boudet	37	Dec.
Looking into the future	9	Oct.
Meeting our energy goals—Hollis M. Dole Meeting our obligation to the nation—Dr. Henry	11	May
R. Linden	35	Dec.
National Energy Forum	12	Nov.
Natural gas importance stressed by energy men	32	June
Natural plans Gulf pipeline, offshore operations.	37	Oct.
The need for coal gasification	8	Mar.
New producing area to aid gas supply	37	Sept.
Northern extends gas search aid Northern Natural, TransCanada agree on gas	34	Jan.
delivery	39	May
Our 1971 priorities—G. J. Tankersley	7	Jan.
Panhandle Eastern announces gas search program	38	May
A pipeline from the Arctic	4	Jan.
Potential gas reserves report	10	J-A
Production and reserves report	7	Apr.
Project Rulison subject of round table address	36	Sept.
Security analysts told exploration spur needed Solving our energy challenges—Rogers C. B.	39	J-A
Morton	16	Dec.
Trans-Alaska line needed says Alaska's Gravel	35	June
Two projects test Alaska pipeline feasibility	34	June
U. S. firms back Arctic probe	41	Sept.
The "why" of coal ownership	12	Jan.
Gray	4	Nov.
Home Service	22	Dog
Consumer, Community activities bring awards	33	Dec.
Home service in the age of the consumer	23	Apr.
Looking forward to '71	11	Jan. Oct.
New England Cooking film	11	Oct.
Industrial/Commercial		
A college for chefs	4	Feb.
Fast food service	30	Apr.
Hall of Flame honors seven	34	May
July in February	6	Feb.
Award	8	Dec.
Selective marketing	7	May
Institute of Gas Technology (IGT) Institute of Gas Technology holds elections	36	Jan.
institute of Gas Technology holds elections	30	Jan.
International Gas Union (IGU)		-
An international affair	30	June
Learning and Development		
The Rock—a training ground for young managers	8	Nov.
Liquefied Natural Gas (LNG)		
LNG-2-Neil A. Olein and Louis A. Sarkes	12	Feb.
Marketing		
A.G.A. 1972 residential advertising and promo-		
tion programs	17	Oct.
Better deal '71	13	Mar.

Issue

Apr. Apr.

Apr. May Feb. Sept.

Oct.

J-A

Dec. June Feb. Apr. Mar. Sept. June May

Nov. Nov.

Nov.

Nov.

Nov. Mar.

May

J-A

J-A

Dec. Dec.

J-A Dec. Dec. Oct. Sept. Mar. Nov.

Jan. Sept.

	Page	Issue
Caring for the elderly-with natural gas	9	Feb.
CNG—automotive pollution solution	31	Feb.
CNG as automotive fuel	13	Jan.
Eastern sales conference program finalized	35	May
The fuel cell powerplant-target for the future	4	J-A
Fun and marketing-Paul E. Reichardt	28	Dec.
Gas heat goes up	30	Nov.
Geared for the consumer	25	Sept.
July in February	6	Feb.
Looking at the bright side	7	Feb.
Marketing conference stresses opportunity for 70's	34	May
Management—who needs it?—James R. Hayes New approaches to school programs	31	Dec.
New directions in advertising—David T. Nutt.	25 32	June Dec.
New England Cooking film	11	Oct.
New horizons for gas industry marketing—	••	Oct.
Robert A. Cooper	23	J-A
A new role for marketing-P. R. Shea	30	Dec.
New towns and the gas industry's involvement	10	Sept.
NI-GAS participates in CNG vehicle experi-		
ment	33	June
Plaza for a king	22	Feb.
Practicing the single-industry concept—Harry A.		
Paynter	26	Dec.
Reaching the Black consumer	15	Apr.
Research & reaction: technology's dilemma—	-	
Scott Carpenter	8	June
Selective marketing	7	May
Serving the "Saint" with total energy—powered	-	C
by natural gas	13	Sept.
Total energy, the Johnson County story	4	June
What's new in print and television—Thomas H.	-	June
Lane	33	Dec.
Operating and Engineering		
After the quake	4	May
The importance of weather forecasting to the gas		
industry	29	Oct.
Inventiveness pays off	28	Apr.
13 years with plastic pipeline—A. M. Rader	27	Mar.
Overview	In Eve	ry Issue
Personnel Relations		
Affirmative action	28	Feb.
Affirmative action—a "how to" workshop	34	Oct.
Management manpower planning Supervisory training at RG&E (A.G.A. Personnel	33	Mar.
Relations Forum)	28	J-A
Work equality for women	17	Apr.
work equally for women control control		
Pipeline		
A pipeline from the Arctic	4	June
Trans-Alaska line needed says Alaska's Gravel	35	June
Two projects test Alaska pipeline for feasibility	34	June
Post of the		
Pollution	-	0-4
A better way—the Torrax incinerator CNG as automotive fuel	13	Oct. Jan.
CNG—automotive pollution solution?	31	Feb.
Iroquois Gas loans CNG—powered car to Buffalo	50	Dec.
Is our environment really doomed?—Dr. Henry	,,,,	200.
R. Linden	14	June
Natural gas fuel minimizes automobile emissions	34	Apr.
San Diego gas tests show emission reductions	41	May
Promotion		
CIC—consumer information center	11	Apr.
Galaxy '17—the "humanized" home	32	May
July in February	6	Feb.

Subject and Title Index -

Description Const	Page	Issue	Population	Page	Issue
Promotion, Contd.	20	Non	Regulation Picture No. 11		
Selling an image	29	Nov.	Energy issues—Richard L. O'Shields	19	Apr.
Trends in regulation of promotional practices—	26	N	FPC names 40 to newly formed gas survey group	37	May
David H. Armstrong	26	Nov.	FPC reports to Congress	29	J-A
			Joyce asks for greater efficiency in energy use	37	May
Public Affairs			Trends in regulation of promotional practices—	~	NT
Business responsibility to society	22	Jan.	David H. Armstrong	26	Nov.
Capitalizing on today's challenges-Ralph T. Mc-					
Elvenny	18	Dec.	Research and Development		
The consumer's voice is heard	26	Feb.	Research and reaction: technology's dilemma-		
The A.G.A. Chairman's report—G. J. Tankersley	12	Dec.	Scott Carpenter	8	June
The corporate crown: thorns or laurels-Marvin					•
Chandler	17	Sept.	n - 1 - 1 m · · · ·		
Energy issues—Richard L. O'Shields	19	Apr.	Research and Engineering		_
FPC reports to Congress	29	J-A	A better way—the Torrax incinerator	7	Oct.
Free as in "freedom"—Thomas R. Shepard, Jr	28	Jan.			
The future in a museum	30	Feb.	Residential		
Gas industry's role in environmental affairs—	20	N7	Gas heat goes up	30	Nov.
Edward D. Callahan	20	Nov.	Cas man good up	30	11011
Gas Men's round table	12	J-A			
Houston Center—the city of tomorrow	4	Mar.	Statistics		
The industry position	22	Nov.	A.G.A. year-end report	24	Feb.
Is our environment really doomed?—Dr. Henry			Gas heat goes up	30	Nov.
R. Linden	14	Jun.	Production and reserves report	7	Apr.
Looking into the future	9	Oct.			•
Meeting our energy goals-Hollis M. Dole	11.	May			
National Energy Forum	12	Nov.	Television		
Natural gas importance stressed by energy men.	32	Jun.	Elephant Country	26	Jan.
New towns and the gas industry involvement—	10	Sept.	Festival at Ford's	21	Jan.
Lee E. Fettig	_		The First Nine Months Are the Hardest	21	Feb.
Our 1971 priorities—G. J. Tankersley	7	Jan.	The Mysterious Spring	44	Dec.
Solving our energy challenges—Rogers C. B.		-	National gas industry TV policy and objectives	29	May
Morton	16	Dec.	1971-72 gas industry TV programs	21	Sept.
Some thought on change	8	Jan.	Snoopy at the Ice Follies	32	Oct.
"Wait a minute"—let's weigh our environmental	20	c	Verrrry Interesting! (Arte Johnson)	17	Mar.
goals—Maurice H. Stans	30	Sept.			
Wildlife studies—an added commitment—Earle		NT	Total Energy		
Gray	4	Nov.		9	Feb.
			Caring for the elderly—with natural gas		Feb.
Public Relations			Looking at the bright side	7	Feb.
Alternatives	42	Dec.	Plaza for a king	22	reb.
A.G.A. aids seven schools	35	Oct.	Serving the "Saint" with total energy—powered	-	Cant
Break the record! film	29	Apr.	by natural gas	7	Sept.
The corporate crown: thorns or laurels-Marvin			Total energy, the Johnson County Story	*	June
Chandler	17	Sept.			
Employees—our no. 1 audience—Romney Wheeler	11	Jun.	Training and Development		
Face it! film	18	Nov.	Affirmative action—a "how to" workshop	34	Oct.
The future in a museum	30	Feb.	CIGC—the answer	10	May
Gary Gabelich, the gas industry's star salesman.	26	J-A	Sales training course offered	37	May
Gas in the news	32	Jan.	and the same of th		
Geared for the consumer	25	Sept.			
A "good corporate neighbor" moves in	21	J-A	Transmission		
1970 gas industry Public Relations Achievement			Chicago and Houston revisited	15	J-A
Awards	17	May			
Proving gas guys are good guys	8	Dec.	***		
The push behind the button	34	Sept.	Urban Housing		
Telling the gas story-like it is	14	May	Houston Center—the city of tomorrow	4	Mar.

Issue

Apr. May J-A May

Nov.

June

Oct.

Nov.

Feb. Nov. Apr.

Jan. Jan. Feb. Dec. May Sept. Oct. Mar.

> Feb. Feb. Feb.

Sept. June

Oct. May May

J-A

Mar.

		IN	unies II	ine idems			
	lssue		Issue		Issue		Issue
Adams, John S.	Nov.	Campbell, Clifford G.	Mar.	Ducker, Robert W.	May	Gray, Earle	J-A
Albon, Ross K.	J-A	Canfield, John E.	Apr.	Duckett, Toral	Nov.	Greenwalt, Clifford L.	Dec.
Alexander, Michael E.	Dec.	Carlile, William A., Jr.	Feb.	Dukes, W. W., Jr.	Oct.	Grenier, George E.	Feb.
Allen, John L.	Sept.	Carlson, Carl J.	Feb.	Durazo, Raymond	June	Gunter, E. Lamar	Nov.
Andersen, R. K.	Oct.	Carmack, Robert G.	Sept.	Duvall, Richard E.	J-A	Gustafson, James W.	J-A
Anderson, Eugene F.	Mar.	Carmouche, H. D.	Mar.	Dyer, J. R.	Mar.	Gustafson, James W.	Nov.
Anderson, Robert	Feb.	Carter, J. L.	Oct.	Dzubak, Edward	Dec.	Gutmann, Frederick T.	June
Ashby, William B.	June	Catell, Robert B.	Apr.				
Atkinson, George O. Austin, A. Graham	June Feb.	Caum, Jerry W.	June	Eberle, Edward R.	Feb.	Haas, Kenneth J.	J-A
Austin, A. Gianam	reb.	Cencer, James P. Chaffin, Donald L.	Sept.	Ebinger, Robert F.	Feb.	Hager, Kirk	J-A
Bacon, John J.	Sept.	Chang, Phil Z.	J-A Mar.	Eeds, Paul	Apr.	Hague, Edward J., Jr.	May
Bacon, John J.	Oct.	Charles, George E.	Jan.	Ehm, Phill	June	Hahn, Edward M.	Feb.
Bailif, E. Allen	Mar.	Childs, Benjamin F.	May	Ellins, Fred H.	June	Hallsteine, W. H.	Oct.
Baker, Dixie Lee	J-A	Clair, Stephen S., Jr.	May	Elliot, E. R.	Nov.	Hamilton, Charles P.	Mar.
Baker, Halmer L.	Mar.	Clann, James M.	Mar.	Ellis, P. G.	Jan.	Hamilton, Hugh L.	Sept.
Baker, James E.	Apr.	Clark, Robert E., Jr.	May	Emanuel, Robert S.	J-A	Hamilton, William G., Ji	r. June
Baker, Robert A.	Feb.	Clarke, Frank E.	Sept.	Emerson, Edward, Jr.	J-A	Hamrick, John E.	Sept.
Baldacci, Louis C., Jr.	Nov.	Clay, Herbert D.	Dec.	Engels, Robert H.	Feb.	Hannah, Hoyt M.	Apr.
Barnhart, E. F.	Mar.	Clayton, J. Norman	Mar.	Engler, M. R.	Feb.	Hardy, James E.	Feb.
Barnhart, J. G.	Jan.	Cliff, Herbert E.	Feb.	English, Donald E.	Jan.	Harper, Henry G.	Oct.
Bashore, Robert G.	J-A	Cobb, Harold M.	June.	Ernest, Raymond R. Essman, Thomas W.	Feb.	Harris, Glendon H.	June
Bartosh, Allan J.	Feb.	Coburn, Warren B.	June.	Evans, Robert R.	Sept.	Harrison, Charles C., IV	Apr.
Baxter, Donald G.	Apr.	Cochran, William R.	Sept.	Evans, Robert R.	Apr.	Hart, Max F.	June
Beggs, Charles W.	Oct.	Cohn, Guenter S.	May	Ewald, Earl	May Feb.	Hartman, Russell C.	May
Bell, Donald L.	Jan.	Cohoon, John E.	Apr.	Ewald, Earl	Nov.	Hashiro, Harold M. Haslett, Harvey B., Jr.	Feb.
Bell, George M., Jr.	Apr.	Cohoon, John E.	Nov.	Ewing, George H.	Oct.	Hayes, James L.	June Mar.
Belt, J. Robert	Feb.	College Charles R.	Apr.	z.i.i.g, George II.	Oct.	Heim, Donald J.	May.
Bennett, Robert M.	Apr.	Collier Gordon W	June			Henderson, L. Don	Mar.
Benson, Bruse Benton, Raymond P.	Sept.	Collier, Gordon, W.	Apr.	Fese, E. Ray	Mar.	Herdegen, Charles A.	Apr.
Bernstorf, B. Allen	May	Collins, John J.	Jan.	Felker, C. E.	Sept.	Herold, Erich A.	Feb.
Beres, John C.	June Mar.	Comin, Walter G., Jr. Cook, Richard G.	_	Fellows, Kenneth	Mar.	Hevron, John E.	J-A
Berry, Bill	June	Cook, Wesley A.	Oct. Sept.	Feltenstein, Harry D.	May	Highberger, Kenneth	June
Bierbaum, Lester W.	Nov.	Cookenboo, J. B.	Mar.	Field, William R.	Nov.	Hildewig, Donald R.	June
Birdsall, Ed	June	Cooksey, B. H., Jr.	J-A	Fillebrown, John R.	Feb.	Hinrichs, Alfred E.	Jan.
Birkenmeier, R. Barrett		Corn, Lee	May	Fisher, Clyde O., Jr.	Sept.	Hinrichs, T. C.	Apr.
Black, John H.	Apr.	Cornell, John P.	Apr.	Fleming, W. C., Jr.	Feb.	Hinzman, J. E.	Apr.
Blackburn, Joseph P.	Apr.	Corrigan, J. J.	June	Fons, Lloyd C.	Oct.	Hipple, Millard	May
Blaisdell, Richard C.	Nov.	Corrin, E. Wayne	Feb.	Ford, Harry E.	Nov.	Hodge, H. Wayne	Nov.
Blanck, Walter H., Jr.	Nov.	Coyle, Jon	Oct.	Forr, Harry J.	Oct.	Hoen, Hudson P., III	Nov.
Blankenship, T. Paul	J-A	Crawford, R. E., Jr.	Dec.	Forsberg, Robert L. Fortado, Michael G.	Mar.	Hogan, Truman M.	June
Blewer, John R.	Oct.	Crissman, Francis, H.	J-A	Foster, Fred R.	Nov.	Hoglund, Paul	J-A
Bodnar, T. R.	Sept.	Cropp, F. L.	Sept.	Foster, Raymond C.	Mar.	Hogsett, Duane F.	Feb.
Bone, Arthur E.	Jan.	Cropper, Walter V.	June	Foy, Joe H.	Jan.	Hodlen, Robert J.	June
Bone, Arthur E.	Nov.	Cross, Ty	Mar.	Fretwell, L. J.	Feb.	Holder, J. C.	Feb.
Bowmaker, Norman J.	June	Crow, Bobby E.	May	Fritz, A. N.	J-A	Holmes, William F.	Sept.
Boyd, Alexander R.	Feb.	Cucullu, Lionel J.	J-A.	Frost, John B.	Oct.	Holmes, William F.	Nov
Boyd, William A.	J-A	Culbertson, LeRoy	May	Fujimura, Walter	Feb.	Hornback, Loyd Houtchens, Dwaine	June
Boydston, Don B.	June	Cummer, W. F.	Feb.	Fulks, Warren G.	May	Howard, H. Carter	Jan. Mar
Boyett, Amos	Sept.	Cuny, Julien E.	J-A	Fuller, Reginald G.	May	Howard, H. Carter	June
Bradfield, R. E.	May	Cuyler, Sherwood A.	J-A	Furse, Robert G.	Nov.	Howatt, Stanley E.	Apr.
Bradley, Fred	Feb.					Howe, Paul H.	
Briggs, James Y.	Nov.					Huchteman, Martin D	. Oct.
Brisley, C. P. (Pat) Brodtmann, A. J.	Apr.	Dantzker, Morris	Apr.	Galbreath, Robert V.	Sept.	Hudson, H. L.	Jan.
Broskie, Anthony E.	J-A	David, Marshall S.	Feb.	Garrett, R. O.	J-A	Huffman, J. H.	Apr.
Bryan, Herbert W.	Jan. Feb.	Davis, Robert W.	May	Garver, George P.	Jan.	Hufnagle, Louis F.	Apr
Bryant, Otis	May	Dean, John R. Dearborn, Langdon	Mar.	Gates, Frank A.	May	Hulett, Harold P.	Sept
Budd, Edward R.	June	DeHart, Kenneth L.	Dec.	Gaw, J. Wilson	Nov.	Hulse, William F.	June
Bufkin, I. David	Oct.	Delaforce, M. E.	Nov.	Gehline, John	Feb.	Hyde, Paul V.	Oct.
Bunn, Richard L.	Sept.	DeMouche, E. M.	Mar. Nov.	Gerry, Verne L.	June		
Burgess, John F.	Apr.	Dible, Adrian E.	Sept.	Gibbons, James H.	Apr. Oct.	n	
Burns, Wilmer C.	Sept.	Dietz, J. F.	Apr.	Gilchrist, Guy, G.	Dec.	Iburg, Donald E.	Sept
Burton, E. C.	Apr.	DiRenzo, John B.	J-A	Gilman, David W.		Igasaki, Massao, Jr.	Jan.
Burton, E. C., Jr.	Apr.	DiVittorio, James R.	Sept.	Ginnings, James A.	Feb. Jan.	Irwin, James E.	Jun
Byorkman, Harry T.	Nov.	Dixon, Richard C.	Sept.	Golliver, R. R.	J-A		
,,		Dixon, Richard C.	Oct.	Gooch, J. Glenn	Apr.	Jackson, O. D.	Apr
Cackler, Ellis	June	Dodge, Franklin D.	May	Goodwill, M. J.	Nov.	Jackson, Raymond M.	Apr
	J-A	Donovan, John J.	Apr.	Goodwyn, U. V.	J-A	Jacobs, W. Morton	Sept
Cade, Michael J.	J-21						

	Issue		Issue		Issue		Issu
James, E. W.	Jan.	Lota, Victor	J-A	Morgan, W. R.	Dec.	Prenger, Joseph W.	May
James, Harold L.	Sept.	Lough, John D.	J-A	Morgan, William R.	Nov.	Preston, Betty J.	Jun
anke, Robert B.	June	Lovretin, Andrew Jr.	Apr.	Morie, Jesse T.	June	Preusser, Robert	Apr
laynes, Chalmers W.	June	Luhring, Jack	June	Morris, R. E.	Feb.	Preusser, Robert H.	Dec
ellison, B. L. lenkins, Philip	June	Luntey, Eugene H. Luxton, Dean R.	Oct.	Morris, Robert L.	May	Price, William E.	Api
ernigan, Rupert M.	J-A Apr.	Luxton, Dean R.	Sept. Nov.	Morris, William O., Jr. Morrow, Carl W.	May	Probst, Karl E. Proper, Gene E.	Jan
ohnson, Clarence I.	Feb.	Lynn, Gerry B.	Sept.	Morrow, George L.	Nov.	Purgatorio, Bert R., Jr.	Jun
ohnson, Clyde A.	June	Lyon, James R.	Dec.	Morton, John F.	J-A	Putze, Louis	Sep
ohnson, Gerald T.	Dec.	_, _, ,		Mueller, Frank H.	Apr.	1 442, 2043	ocp
ohnson, Lester D.	Jan.			Mueller, Lester R.	J-A		
ohnson, Lester D.	Feb.	McAlister, John D.	Sept.	Mueller, W. E.	Oct.	Quayle, Thomas J.	Jan
ohnson, Raymond G.	Nov.	McCafferty, D. W.	Nov.	Mundth, Lyman K.	Feb.	Quinn, Donald T.	No
ohnson, Richard B.	Jan.	McCollum, William, Jr.	J-A	Munger, G. R.	June		
ohnson, Richard L.	Nov.	McCord, W. C.	Feb.	Murray, E. L.	Feb.	Randel, James B., Jr.	Eal
ohnson, Thomas H.	Jan.	McCord, W. C.	Mar.			Rasmussen, Einer W.	Fel
ohnston, Robert H., St	. Jan.	McCoy, Carol	J-A	M . 1 W D		Rasmussen, Einer W.	Fel
ones, Gaston V., Jr.	Mar.	McDivitt, James A.	Feb.	Nagel, H. P.	Jan.	Rattray, Melvin H., Jr.	
ones, H. Drennen	Nov.	McElroy, David F.	Nov.	Nairne, Clayton L.	J-A	Ray, Edward O.	J-A
ones, Richard H.	Jan.	McElroy, W. Dale	Apr.	Neiman, Borden D. Nelson, Edward Sheffield	Jan.	Raymond, Fred E.	Ma
		McElwain, John S.	J-A	Nelson, William C.		Reagon, M. A., Jr.	M
Cahler, E. H. (Ed)	June	McGuinness, Paul H.	Sept.	Nesbitt, G. L.	J-A Apr.	Reardon, Philip H.	Jan
Ceefe, William C.	Nov.	McGuinness, Paul H.	Oct.	Nesbitt, James C.	Apr.	Reddell, Charles G.	M
Keepers, Edgar S.	June	McHugh, Robert C.	Mar.	Neumeyer, Charles L.	Oct.	Reed, Jack H.	Ju
Keith, Dave	June	McInnis, Cecil R. McInnis, W. Parker	J-A	Newberry, Dennis L.	Oct.	Reed, William F., Jr.	M
Kelley, Dan B.	June	McIntyre, R. A.	Jan.	Newell, William F.	Feb.	Reese, E. H.	A
Kelly, Joseph T.	Dec.	McKelvey, Vincent E.	J-A Sept.	Newton, R. P., Jr.	Oct.	Rehler, Clarence A.	J-1
Kelly, Robert E.	Nov.	McKinnon, J. K.	Apr.	Neylon, Malcolm L.	J-A	Reif, Louis R.	D
Kerr, John N.	June	Madden, Donald H.	J-A	Nichols, Guy W.	Jan.	Reynolds, Corder S.	Ne
Kerr, John N.	Nov.	Magness, James C.	June	Nolan, Joseph J.	Apr.	Rhoades, Gilbert R., Jr	
Kiddle, Coleman J.	June	Mahnke, R. H.	June	Norfleet, Frank M.	May	Rhoads, W. E.	M
King, Henry G.	Feb.	Majer, A. Malcolm	Nov.	Norwood, R. A.	J-A	Riblet, D. B.	M
Kipp, Al	June	Maki, Carl J.	Nov.	Nunn, Ralph	J-A	Richardson, Rex E.	A
Knobloch, Kenneth D.	Dec.	Maki, Onnie A.	Apr.			Rieger, A. L.	M
Koch, R. O.	Oct.	Maloon, James H.	J-A	O'Connell Philip G	June	Rizzon, James V.	Jan
Kopplin, E. O.	June	Maples, Melvin O.	Feb.	O'Connell, Philip G. Offutt, H. A.	J-A	Rizzon, James V.	Fe
Koska, Edward T. Krause, Robert F.	Sept.	Mark, Jack C.	June	Olson, Arnold H.	J-A	Roberts, J. A. Robinson, Donald G.	N
Kreutzer, A. C.	Jan.	Marques, Herman J., J.	.May	Osborn, W. Bland	May	Robinson, E. T.	O
Krikorian, Robert V.	June Apr.	Martin, Hunter L., Jr.	Apr.	O'Shields, Richard L.	Sept.	Rockwell, W. F.	Se
Kronke, Walter C.	Jan.	Martin, Norman L.	Apr.	O'Shields, Richard L.	Nov.	Rockwell, W. F., Jr.	Se
Kronke, Walter C.	J-A	Masino, Joseph A.	Apr.	Ott, Charles H.	Jan.	Rodewald, Lawrence E.	
Krumm, Paul C.	June	Mason, Carrington	Mar.		-	Roemer, L. G.	Ja
Kuehn, Ronald L., Jr.	J-A	Matthews, M. D.	Jan.			Roemmele, Howard C.	M
	,	Matthews, William E. IV		Palin, Fred R.	Apr.	Rogers, Lewis W.	N
		Mattocks, R. Graham	Feb.	Park, Robert R.	Nov.	Rose, Donald E.	A
Laffoon, C. M.	Apr.	Mautz, F. F.	May	Parr, Wilton L.	Apr.	Rother, Herman J.	A
Lamb, Henry	June	Maxheim, John H.	June	Patey, Robert N.	Feb.	Rothrock, John J.	Ju
Lamkin, S. L.	Oct.	Maxwell, Mrs. Douglas		Pelham, Alfred M.	Jan.	Russell, Theodore S.	Ju
Lamont, Don	Sept.	Meade, Robert C. Meany, John J., Jr.	J-A Sept.	Pelican, Thomas L.	Oct. Apr.	Russell, William E.	Fe
Laney, Howard W. Lannon, J. J.	Sept. Oct.	Meck, G. L.	June	Perks, A. Campbell Perry, Robert P.	Mar.	Ryan, William F.	Ju
Lapsley, William W.	Apr.	Medlin, W. O.	May	Peterson, Richard H.	Feb.	Rzepczynski, Walter M	. M
Larson, Elwin S.	Oct.	Merrill, William M.	June	Petro, P. Paul	Feb.		
Lasselle, Jon E.	Feb.	Messer, Chester R., II	Nov.	Peyton, Thomas P.	Apr.	Sadler, Albert J.	Ju
Laub, Theodore W.	Jan.	Miller, Donald J.	June	Pfetzing, Albert J.	Dec.	Sadove, Aaron S.	A
Laub, Theodore W.	Feb.	Miller, Donald J.	Nov.	Piercefield, Julian G.	Jan.	Sandell, Donald H.	S
LauBach, Neil B.	Oct.	Miller, Homer D.	J-A	Pittman, Crymes	Apr.	Sanders, Hassel	J.
Lauterbach, Mark	June	Miller, Richard K.	Mar.	Pitts, Roy E.	Feb.	Sanders, W. K.	N
Lehman, John W.	J-A	Miller, Ronald T.	Sept.	Pitts, Roy E.	Mar.	Sankey, Robert C.	M
Lehrman, Robert O.	Jan.	Mills, Robert W.	Mar.	Plante, Jean R.	May	Sansovich, Michel E.	A
Lenihan, Edward J.	Feb.	Minarich, M. M.	Sept.	Podesta, Arthur J.	Apr.	Sapp, Walter M.	M
Levy, Max M.	J-A	Mitchell, G. Montgomer	ry Oct.	Podesta, Arthur J.	May	Sargent, Ralph, Jr.	J
Levy, Max M.	Sept.	Moll, Bertram D.	J-A	Poe, Lewis M.	Mar.	Saunders, H. W.	A
Licciardi, Joseph P.	May	Monaghan, Terence	Dec.	Polaski, Richard D.	Feb.	Schardt, George H.	S
Lienemann, Robert	Sept.	Monsees, John	Jan.	Pomerhn, William W.	J-A	Schiefer, Ware F.	N
Lindgren, Robert W.	June	Moore, Michael W.	June	Postlethwaite, Robert J.	Apr.	Schiffer, Benjamin	M
Logan, Eugene C.	Oct.	Moore, Roland E.	Nov.	Potter, Lester Tillery	Mar.	Schmidt, William F.	N
Long, W. E.	Mar.	Moore, William F.	Jan.	Potter, L. T.	Feb.	Schroeder, Donald W. J	
Loomis, George W. Lord, Donald S.	Mar. Feb.	Morgan, Hugh J. Morgan, Thomas E.	J-A Feb.	Prather, William Prendergast, John L.	June J-A	Schwartz, Betram Scudder, Bryce N.	J.

y ne r. c. r. ne v. ot.

ı. ov.

b. n. b. t. A ar. ar.

n. ar.

pr. A ec. ov. A lar.

lay

pr. lay in. eb. lov.

ept. lay an.

May Nov. Apr. Apr. une une Seb. une May

Apr. Sept. J-A Nov. May Apr. Mar.

June

Apr. Sept. Nov. Mar. Nov. Feb. J-A J-A

	Issue		Issue		Issue		Issue
Seba, D. L.	Feb.	Stephenson, R. L.	Sept.	Trueschler, Bernard G.	Feb.	Wiand, Kenneth W.	May
Sebastian, Robert J.	June	Stevens, John R.	May	Turrill, Frank D.	Nov.	Wiand, Kenneth W.	June
Seges, P. G.	Oct.	Steward, John F.	June	Twaddell, Gordon O.	Jan.	Widenhofer, Warren	June
Segnar, Sam F.	J-A	Stewart, Margaret A.	Nov.			Wierschem, Robert A.	I-A
Selbach, Robert J.	Apr.	Stewart, Robert W.	Feb.	Ullrich, Fred	Oct.	Wilcox, Arthur D.	Apr.
Selman, Murray	J-A	Stobbart, George D.	May	Unangst, Robert E.	Apr.	Wilkins, Floyd E.	J-A
Sentell, S. E.	Nov.	Stockbridge, Henry P.	Jan.	Upchurch, Ronald J.	Dec.	Williams, Howard C.	Feb.
Seyster, C. E. (Charles) May	Stokley, Donald L.	Apr.	Vance, James W.	Jan.	Williams, J. W.	Feb.
Seyster, C. E. (Charles		Stout, Charles E.	J-A	Vance, James W.	Feb.	Williams, John H.	May
Sheehan, Jack J.	June	Strange, Ben W.	Mar.	Vandewater, C. R.	Feb.	Williamson, Robert G.	Apr.
Sherwood, George K.	Oct.	Stremba, Henry J.	June	Van Gorkom, John H.	Nov.	Willson, Bruce P.	Apr.
Shinnamon, Charles	Jan.	Strieff, D. T.	Oct.	Vetog, Edwin J.	Oct.	Wilson, Gary L.	Dec.
Sigmund, Richard T.	June	Strouse, Edward I., Jr.	Feb.	Vogt, John F.	J-A	Wilson, Robert M.	Sept.
Simmons, R. J., Jr.	Feb.	Stuenckel, Elton E.	June	Volpe, Elwood R.	J-A	Winchester, Robert P.	Apr.
Sinnott, John F.	J-A	Stump, Harry J.	J-A	VonderFlue, William F		Winkler, Bartlett C.	Nov.
Smith, C. E.	May	Sullivan, Frederick W.	Apr.	,		Wise, F. Andre	J-A
Smith, Donald B.	Apr.	Sullivan, Henry P.	J-A	Walker, J. R.	Oct.	Witmer, William K.	Sept.
Smith, Duane P.	June	Swagler, Robert C.	Jan.	Walker, William R.	Oct.	Wolford, George E.	May
Smith, Frank C.	May	Swank, Earl C.	Sept.	Wall, William E.	Dec.	Wood, Stanley G.	J-A
Smith, John G.	Mar.		•	Wallace, P. K.	Feb.	Woodbury, Harry G., Jr.	
Smith, Paul E.	Jan.	Taft, Miss Janie	Oct.	Weaks, G. T.	May	Woodin, Robert M.	May
Smith, Paul E.	Feb.	Talbott, Richard Kenneth	Feb.	Webber, Albert G., Jr.		Woodson, C. S.	Feb.
Smith, Peter G.	J-A	Tauber, Ernest J.	J-A	Webster, William	Jan.	Wooten, W. J.	J-A
Smith, Robert J.	Apr.	Taylor, William Patrick	Apr.	Weekley, James L.	May	Wright, Harry W.	Jan.
Smith, Robert W.	Oct.	Teel, Lloyd	Mar.	Weger, Joseph R.	Oct.	Wright, Larry H.	Jan.
Smoker, Edward H.	Jan.	Te Kolste, Dale	J-A	Welbourne, D. R.	Nov.	Wright, Patrick A.	I-A
Snyder, Edwin H.	Feb.	Thomas, H. P.	Nov.	Welch, Robert W., Jr.	Dec.	Wyker, Anna C.	Nov.
Speer, Richard D.	June	Thomas, Rosser	Feb.	Wellington, Q. W.	May		
Spellmeyer, Leonard H	. Jan.	Thompson, G. A.	Oct.	Welp, Theodore M.	Jan.		_
Spellmeyer, Leonard H	. Oct.	Thompson, John R.	Mar.	Wendele, D. R.	J-A	Yetter, Paul A.	June
Sposaro, Anthony W., J.		Thomson, Ben E.	May	West, Edward B.	Feb.	Young, Eugene E.	Dec.
Sposaro, Anthony W., J		Thomson, Ben E.	Sept.	Westwood, Albert E.	Apr.	Young, Eugene E.	June
Stall, Elvin A.	Feb.	Thornton, John V.	Jan.	Wexler, Charles W., J		Young, Marcel F.	Apr.
Stephens, Robert M.	Oct.	Thorpe, James A.	J-A	Whelan, David G.	Apr.		
Stephens, W. Lee	May	Tiedeman, A. C.	Tune	White, Ronald M.	Apr.	Zanoff, Louis	Mar.
Stephenson, R. L.	May	Trainor, Harry J.	Mar.	White, Thomas A.	J-A	Ziemer, P. D.	Jan.

Obituaries

Bailey, Robert H.	June	Kelley, George W.	Sept.	Roberts, Aubrey L.	Nov.
Carver, Harry E.	Nov.	Lawrence, H. Warren	Mar.	Ryerson, George W.	Feb.
Conrad, Howard P.	Dec.	Lea, James W.	Nov.	Schlink, Theodore A.	May
Dorau, Herbert B., Dr.	Feb.	Linburg, Elmer E.	Mar.	Smith, Frank C.	Feb.
Evans, Robert R.	Mar.	MacDonald, Frederick K.	Nov.	Smith, John G.	Feb.
Griffith, Cecil V.	Oct.	McGraw, Edward E.	Dec.	Symonds, Gardiner	J-A
Guitteau, William S.	Jan.	Moulton, James Seymour	Mar.	Tuggle, George B.	Oct.
Habenicht, George C.	Sept.	Mulcare, Grace	Oct.	Walter, Hayes S.	Oct.
Himsworth, Winston E.	Feb.	Noel, Wesley A.	Sept.	Warner, John M.	Nov.
Holloway, Charles R., Jr.	Oct.	Osterman, Philip	Jan.	Webster, D. Thomas	May
		Ritenour, Otis H.	June		

×